

## LF1A Series

### Control Panels • Manufacturing Equipment

LF1A LED strips use super-bright multi-chip LEDs providing illumination equivalent to a 25W fluorescent lamp, while consuming only one-third the power. They come in a thin housing available in three sizes with four color configurations: cool white (5500K), warm white (2800K), yellow (590nm) and red (625nm).

- Brightness: 66.6 Lumens/Watt
- Energy savings: One-third of fluorescent lamps
- Long life: 40,000 hrs (Half-life)
- UL Listed
- RoHS Compliant
- IP40



### LED Optical Specifications

Model	LF1A-*2THWW6	LF1A-*2TLWW6	LF1A-*2SHY8	LF1A-*2SHR8
Illumination Color	Cool White	Warm White	Yellow	Red
Luminous Intensity (Single LED module)	6000mcd	4000mcd	4000mcd	2500mcd
Color Temperature / Dominant Wavelength	5500K	2800K	590nm	625nm
Reference Illuminance at 0.5m	LED Array 3 x 2	190lx	130lx	85lx
	LED Array 6 x 2	380lx	260lx	170lx
	LED Array 12 x 2	760lx	520lx	340lx

\*LED Array A1 = 3x2, B1 = 6x2, D1 = 12x2





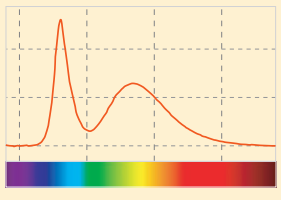
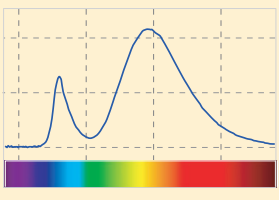
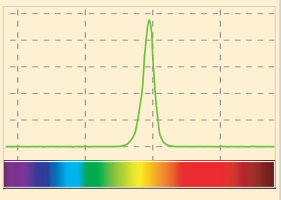
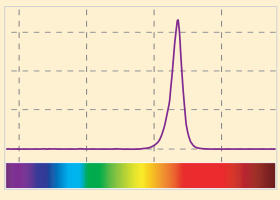
### General Specifications

Model	LF1A-*2THWW6	LF1A-*2TLWW6	LF1A-*2SHY8	LF1A-*2SHR8
Rated Voltage	24V DC (non-polarized)			
Input Current (at rated voltage)	LED Array 3 x 2	75mA		90mA
	LED Array 6 x 2	150mA		180mA
	LED Array 12 x 2	300mA		360mA
Rated Power (at rated voltage)	LED Array 3 x 2	1.8W		2.2W
	LED Array 6 x 2	3.6W		4.4W
	LED Array 12 x 2	7.2W		8.7W
Dielectric Strength	Between live and dead parts: 1000V AC, 1 minute			
Insulation Resistance	Between live and dead parts: 100 MΩ (500V DC megger)			
Operating Temperature	-20 to +50°C			
Storage Temperature	-25 to +70°C			
Operating/Storage Humidity	45 to 85% RH (no condensation)			
Life (half luminance) <sup>2</sup>	40,000 hours			
Weight (approx.)	LF1A-A1: 190g, LF1A-B1: 270g, LF1A-D1: 470g			
Degree of Protection	IP40			

1. \*LED Array A1 = 3x2, B1 = 6x2, D1 = 12x2

2. LED life depends upon operating environment.

Part Numbers

Color	Cool White	Warm White	Yellow	Red
Part No.	LF1A-*-2THWW6	LF1A-*-2TLWW6	LF1A-*-2SHY8	LF1A-*-2SHR8
Appearance				
Light Spectrum				

\*LED Array A1 = 3x2, B1 = 6x2, D1 = 12x2

Part Number Structure (use for interpreting part numbers only)

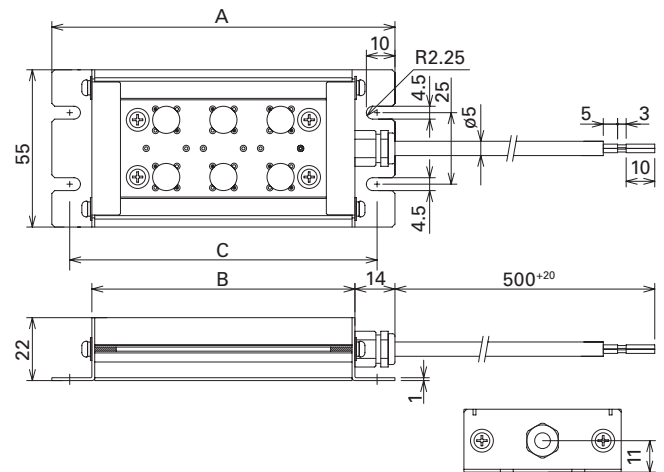
LF1A – A1 – 2 THWW6

LED Module Arrangement  
 A1: 3 LEDs × 2 rows  
 B1: 6 LEDs × 2 rows  
 D1: 12 LEDs × 2 rows

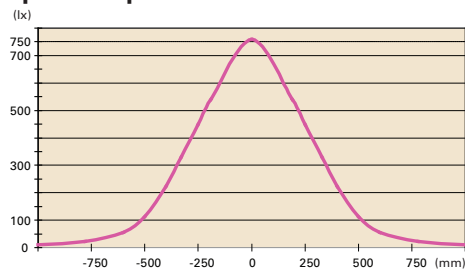
LED Illumination Color  
 THWW6: Cool White  
 TLWW6: Warm white  
 SHY8: Yellow  
 SHR8: Red

Dimension Table

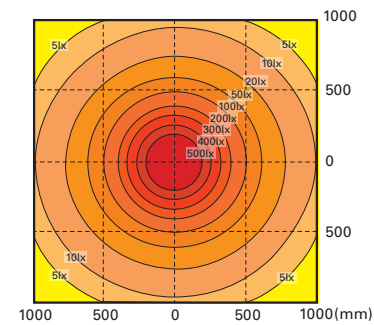
Dimensions (mm)



Optical Dispersion at 0.5m LF1A-D1-THWW6 (Cool White)



Illuminance Chart LF1A-D1-2THWW6



Accessories



Item	Mounting Bracket- Adjustable Angle
Part No.	LF9Z-1MA1
Material	Stainless Steel
1 pair, Left and Right	